

**BASE Buildings Test Space HVAC Characteristics:** Types of Supply Vents

Supply Vent Type	Number of Buildings Reporting <sup>1</sup>	
	Primary Supply Vent Type <sup>2</sup>	Secondary Supply Vent Type <sup>3</sup>
Linear Ceiling Diffusers	40	5
Sidewall Diffusers	0	1
High Sidewall Diffusers	1	3
Floor Registers	0	0
Perforated Ceiling Panels	5	2
Square or Round Ceiling Diffusers	51	17
Floor or Near-Floor Diffusers	0	1
Low Sidewall Grilles	1	1
Fan Coil Units or Unit Ventilators	2	0
Slots Around Ceiling Luminaires	11	0
Other	4	1
Total Number of Buildings Reporting	97	97
<p><u>Notes:</u></p> <p><sup>1</sup>Number of buildings based on all test spaces served by mechanical ventilation (n=97).</p> <p><sup>2</sup>Number of buildings within column may add up to greater than the total number of buildings if some buildings had more than one primary supply vent type.</p> <p><sup>3</sup>Number of buildings within column do not add up to the total number of buildings as some buildings reported no secondary supply vent type.</p>		

Variable Descriptions:

**Primary Supply Vent Type** describes the primary type of supply vent installed throughout the test space.

**Secondary Supply Vent Type** describes the secondary type of supply vent installed throughout the test space.

The following categories apply:

**Linear Ceiling Diffusers** are long strip-shaped supply air vents with one or more narrow openings, depending on the number of bars or vanes.

**Sidewall Diffusers** are supply air vents located on a wall that consist of a series of separate concentric rings or louvers that distribute the air equally in all directions.

**High Sidewall Diffusers** are supply air vents located near the ceiling on a wall that consist of a series of separate concentric rings or louvers that distribute the air equally in all directions.

**Floor Registers** are grilles located in the floor with volume control dampers mounted behind the grille.

**Perforated Ceiling Panels** are usually found as part of a suspended ceiling system where there are slots or perforations throughout the ceiling, which serve as air outlets.

**Square or Round Ceiling Diffusers** are supply air vents located in the ceiling that consist of a series of separate concentric rings or louvers that distribute the air equally in all directions.

**Floor or Near-Floor Diffusers** are supply air vents located near the floor on a wall or on the floor that consist of a series of separate concentric rings or louvers that distribute the air equally in all directions.

**Low Sidewall Grilles** are supply vents located on the wall near the floor that consist of frames with parallel bars which may be fixed or adjustable that deflect the air.

**Fan Coil Units or Unit Ventilators** consist of a finned-tube coil supplied with hot or chilled water from a central source and a fan that circulates room air over the coil. These units are sometimes provided with an outdoor air connection through the exterior wall.

**Slots Around Ceiling Luminaries** are supply vents that are cut into the light fixtures in the ceiling.

**Other** are supply air vents that are not otherwise defined.